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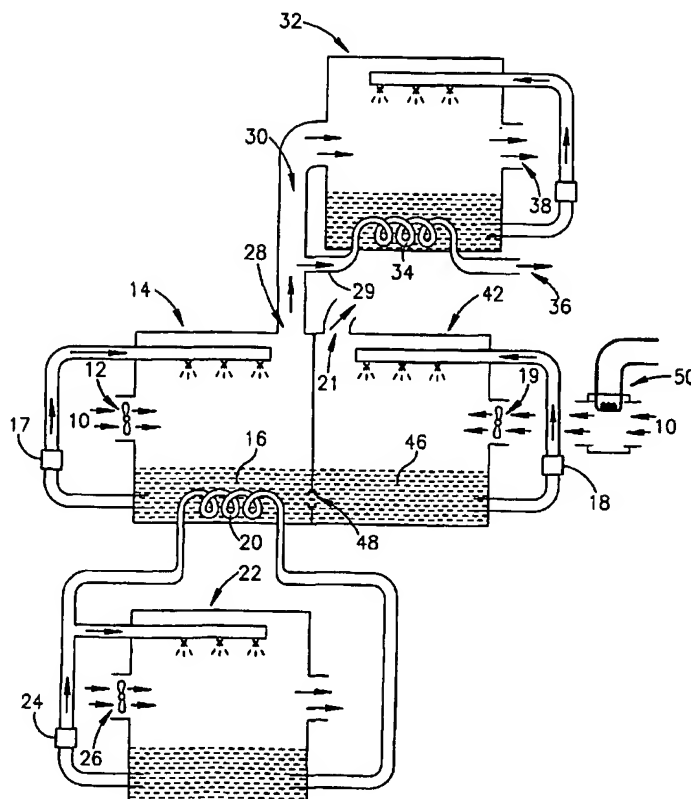
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- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **FORKOSH, Mordechai** [IL/IL]; 58 Derech Hayam Street, 34744 Haifa (IL). **FORKOSH, Dan** [IL/IL]; 9 Hamachtarot Street, 30300 Atlit (IL). **FORKOSH, Tomy** [IL/IL]; 54 Shoshanat Hacarmel Street, 34322 Haifa (IL).
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(54) Title: HIGH EFFICIENCY DEHUMIDIFIERS AND COMBINED DEHUMIDIFYING/AIR-CONDITIONING SYSTEMS



(57) Abstract: An air-conditioning system for conditioning air by removing heat and moisture from the air and transferring it to the environment, comprising: a dehumidifier (14) that produces dehumidified air and utilizes a liquid desiccant for drying; at least one non-desiccant fluid at a temperature lower than the temperature of the liquid desiccant; and at least one heat exchanger (20) in which the liquid desiccant is cooled by the at least one fluid.

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